

MACQUARIE UNIVERSITY CANCER BIOBANK

MQCB00002B REPORT

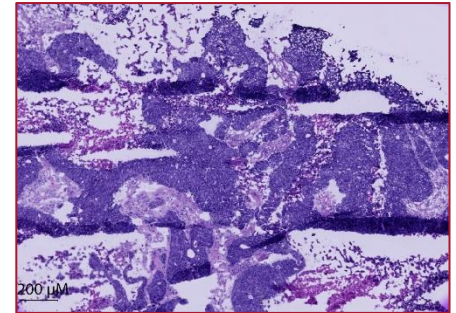
07 OCTOBER 2022

CLINICAL SUMMARY

Sex: Female
Age: 79
Pre-operative radiotherapy: Unknown

HISTOPATHOLOGY

Specimen type: Brain
Tumour site: Left Cerebellar
Tumour type: Left Cerebellar Lesion - Metastatic Carcinoma, In Keeping with Colorectal Adenocarcinoma
Tumour stage: Stage IV



50 - 70% Tumour Content

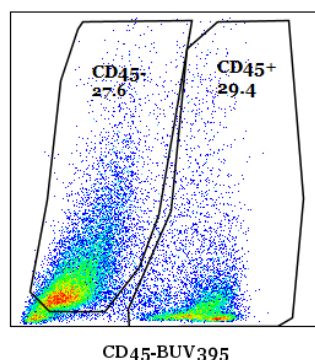
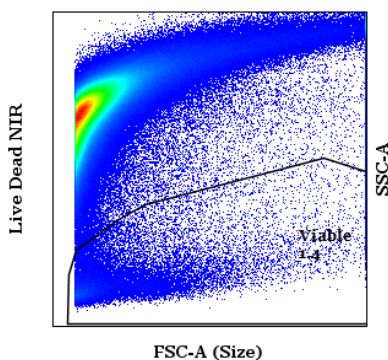
NEXT GENERATION GENOME/TRANSCRIPTOME DATA

Provider: Australian Genome Research Facility - 150bp paired end
Data yield: Germline DNA: 383,793,471 paired end, 115.91 Gbp
 Tumour DNA: 987,118,506 paired end, 298.11 Gbp
 Tumour RNA: 63,449,944 paired end, 19.16 Gbp

Top pathogenic somatic mutations

Gene	Alteration	Allele Frequency	Function
BRAF	c.1391G>A, p.G464E	73%	Gain
KRAS	c.34G>A, p.G12S	64%	Gain
TP53	c.700T>C, p.Y234H	91%	Loss
APC	c.4660G>T, p.E1554*	33%	Loss
APC	c.3786T>A, p.Y1262*	71%	Loss

FLOW CYTOMETRY TUMOUR DISSOCIATE ANALYSIS



Cell Type	(%)
Viable cells	1.4
Viable>CD45-	27.6
Viable>CD45+	29.4
Viable>CD45+>B cells	0.2
Viable>CD45+>CD4+/Foxp3-	8.3
Viable>CD45+>Tregs+	1.9
Viable>CD45+>CD8+	6.0
Viable>CD45+>Monocytes/Macrophages	31.8